Figure 1A

```
>775133      GGNCAGAGCC TGCGCAGGGC AGGAGCAGCT GGCCCACTGG CGGCCCGCAA
>1338704         AGAGCC TGCGCAGGGC AGGAGCAGCT GGCCCACTGG CGGCCCGCAA
>2645837                                                TGG CGGCCCGCAA
Consensus    GGNCAGAGCC TGCGCAGGGC AGGAGCAGCT GGCCCACTGG CGGCCCGCAA


>775133      CACTNCGTCT TNACCCTCTG GGCCCACTGC ATCTAGAGGA GGGCCGTCTG
>1338704     CACTCCGTCT :CACCCTCTG GGCNCACTGC ATCTAGAGGA GGGCCGTCTG
>2645837     CACTCCGTCT :CACCCTCTG GGCCCACTGC ATCTAGAGGA GGGCCGTCTG
>775762                    CCCTCTG GGCCCACTGC ATCTAGAGGA GGGCCGTCTG
>3210629                                             CACGA GGGCCGTCTG
Consensus    CACTCCGTCT :CACCCTCTG GGCCCACTGC ATCTAGAGGA GGGCCGTCTG


>775133      TGAGGCCACT ACCCCTCCAG CAACTGGGAG GTGGGACTGT CAGAAGCTGG
>1338704     TNAGGCCACT ACCCCTCCAG CAACTGGGAG GTGGGACTGT CAGANGCTGG
>2645837     TGAGGNCACT ACCCCTCCAG CAACTGGGAG GTGGGACTGT CAGAATCTGG
>775762      TGAGGCCACT ACCCCTCCAG CAACTGGGAG GTGGGACTGT CAGAAGCTGG
>3210629     TNAGGCCACT ACCCCTCCAG CAACTGGGAG GTGGGACTGT CAGANGCTGG
Consensus    TGAGGCCACT ACCCCTCCAG CAACTGGGAG GTGGGACTGT CAGAAGCTGG


>775133      CCCAGGGTGG TGGTCAGCTG GGTCAGGGAC CTACGGCANC TGCTGGACCA
>1338704     CCCAGGGTGG TGGTCAGCTG GGTCAGGGAC CTACGGCACC TGCTGGACCA
>2645837     CCCAGGGTGG TGGTCAGCTG GGTCAGGGAC CTACGGCACC TGCTGGACCA
>775762      CCCAGGGTGG TGGTCAGCTG GGTCAGGGAC CTACGGCACC TGCTGGACCA
>3210629     CCCAGGGTGG TGGTCAGCTG GGTCAGGGAC CTACGGCACC TGCTGGACCA
Consensus    CCCAGGGTGG TGGTCAGCTG GGTCAGGGAC CTACGGCACC TGCTGGACCA


>775133      NCTNGNCTTT TCCATCGAAG CAGGGAAGTG GGAGCCTTGA GCCCTTGGGT
>1338704     CCTCGCCTTC TCCATCGAAG CAGGGAANTG GGAGCCTCGA GCCCTCGGGT
>2645837     CCTCGCCTTC TCCATCGAAG CAGGGAAGTG GGAGCCTCGA GCCCTCGGGT
>775762      CCTCGCCTTC TCCATCGAAG CAGGGAAGTG GGAGCCTCGA GCCCTCGGGT
>3210629     CCTCGCCTTC TCCATCGAAG CAGGGAAGTG GGAGCCTCGA GCCCTCGGGT
Consensus    CCTCGCCTTC TCCATCGAAG CAGGGAAGTG GGAGCCTCGA GCCCTCGGGT


>775133      GGAAGCTTGA CCCCAAGCCA CTT
>1338704     GGAAG
>2645837     GGAAGCT:GA CCCCAAGCCA NNCTTCACCT GGACAGGAT
>775762      GGAAGCT:GA CCCCAAGCCA CCCTTCACCT GGACAGGATG AGAGTGT
>3210629     GGAAGCT:GA CCCCAAGCCA CCCTTCACNT GGACAGGATG AGAGTGTCAG
Consensus    GGAAGCT:GA CCCCAAGCCA CCCTTCACCT GGACAGGATG AGAGTGTCAG


>3210629     GTGTGCTTCG CCTCCTGGCC CTCATCTTTG CCATAGTCAC GACATGGATG
>1281865                                                      GATG
>1281865                                                      GATG
Consensus    GTGTGCTTCG CCTCCTGGCC CTCATCTTTG CCATAGTCAC GACATGGATG


>3210629     TTTATTCGAA GCTACATGAG CTT
>1281865     TTTATTCGAA GCTACATGAG CTTCAGCATG AAAACCATCC GTCTGCCACG
>1281865     TTTATTCGAA GCTACATGAG CTTCAGCATG AAAACCATCC GTCTGCCACG
Consensus    TTTATTCGAA GCTACATGAG CTTCAGCATG AAAACCATCC GTCTGCCACG
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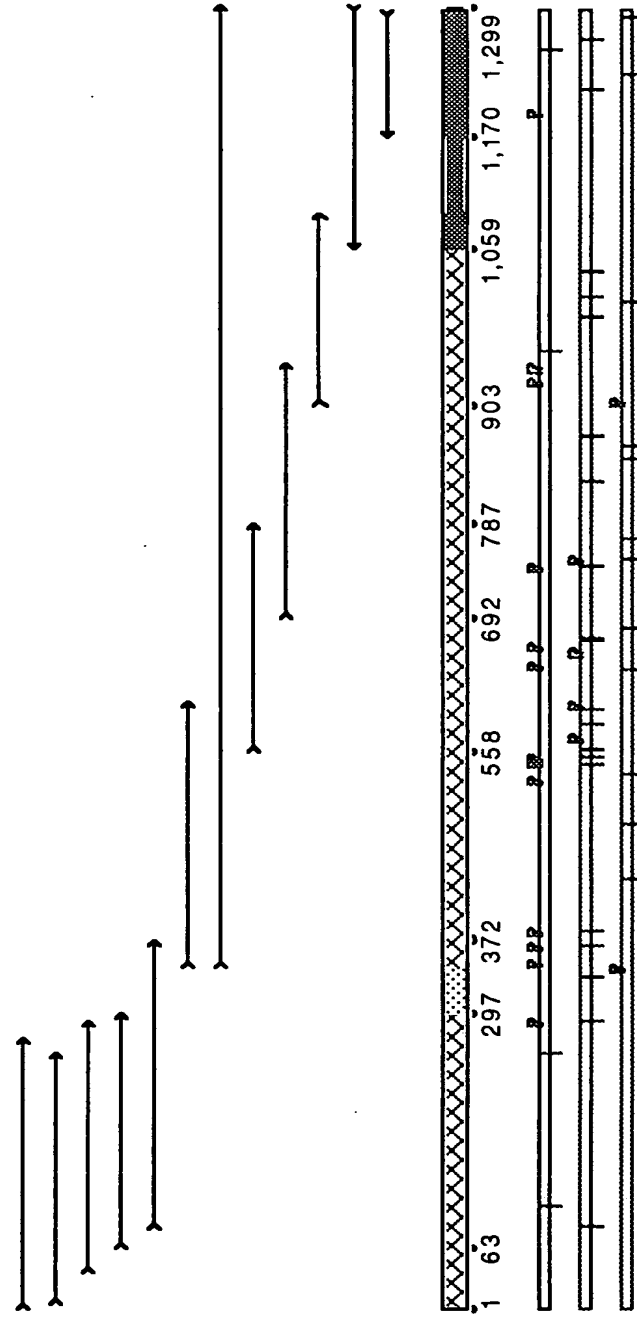
Figure 1B

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>1281865      CTGGCTGGCC  TCGCCCACCA  AGGAGATCCA  GGTTAAAAAG  TACAAGTGTG
>1281865      CTGGCTGGCC  TCGCCCACCA  AGGAGATCCA  GGTTAAAAAG  TACAAGTGTG
Consensus     CTGGCTGGCC  TCGCCCACCA  AGGAGATCCA  GGTTAAAAAG  TACAAGTGTG

>1281865      GCCTCATCAA  GCCCTGCCCA  GCCAACTACT  TTGCGTTTAA  AATCTGCAGT
>1281865      GCCTCATCAA  GCCCTGCCCA  GCCAACTACT  TTGCGTTTAA  AATCTGCAGT
Consensus     GCCTCATCAA  GCCCTGCCCA  GCCAACTACT  TTGCGTTTAA  AATCTGCAGT

>1281865      GGGGCCGCCA  ACGTCGTGGG  CCCTACTATG  TGCTTTGAAG  ACCGCATGAT
>1281865      GGGGCCGCCA  ACGTCGTGGG  CCCTACTATG  TGCTTTGAAG  ACCGCATGAT
Consensus     GGGGCCGCCA  ACGTCGTGGG  CCCTACTATG  TGCTTTGAAG  ACCGCATGAT

>1281865      CATGAGTCCT  GTGAAAAACA  ATGTGGGCAG  AGGCCTAAAC  ATCGCCCTGG
>1281865      CATGAGTCCT  GTGAAAAACA  ATGTGGGCAG  AGGCCTAAAC  ATCGCCCTGG
>1807758                  GTGAAAAACA  ATGTGGGCAG  AGGCCTAAAC  ATCGCCCTGG
Consensus     CATGAGTCCT  GTGAAAAACA  ATGTGGGCAG  AGGCCTAAAC  ATCGCCCTGG

>1281865      TGAATGGAA
>1281865      TGAATGGAAC  CACGGGAGCT  GTGCTGGGAC  AGAAGGCATT  TGACATGTAC
>1807758      TGAATGGAAC  CACGGGAGCT  GTGCTGGGAC  AGAAGGCATT  TGACATGTAC
Consensus     TGAATGGAAC  CACGGGAGCT  GTGCTGGGAC  AGAAGGCATT  TGACATGTAC

>1281865      TCTGGAGATG  TTATGCACCT  AGTGAAATTC  CTTAAAGAAA  TTCCGGGGGG
>1807758      TCTGGAGATG  TTATGCACCT  AGTGAAATTC  CTTAAAGAAA  TTCCGGGGGG
>1735382                                                     GGGGGG
Consensus     TCTGGAGATG  TTATGCACCT  AGTGAAATTC  CTTAAAGAAA  TTCCGGGGGG

>1281865      TGCACTGGTG  CTGGTGGCCT  CCTACGACGA  TCCAGGGACC  AAAATGAACG
>1807758      TGCACTGGTG  CTGGTGGCCT  CCTACGACGA  TCCAGGGACC  AAAATGAACG
>1735382      TGCACTGGTG  CTGGTGGCCT  CCTACGACGA  TCCAGGGACC  AAAATGAACG
Consensus     TGCACTGGTG  CTGGTGGCCT  CCTACGACGA  TCCAGGGACC  AAAATGAACG

>1281865      ATGAAAGCAG  GAAACTCTTC  TCTGACTTGG  GGAGTTCCTA  CGCAAAACAA
>1807758      ATGAAAGCAG  GAAACTCTTC  TCTGACTTGG  GGAGTTCC
>1735382      ATGAAAGCAG  GAAACTCTTC  TCTGACTTGG  GGAGTTCCTA  CGCAAAACAA
Consensus     ATGAAAGCAG  GAAACTCTTC  TCTGACTTGG  GGAGTTCCTA  CGCAAAACAA

>1281865      CTGGGCTTCC  GGGACAGCTG  GGTCTTCATA  GGAGCCAAAG  ACCTCAGGGG
>1735382      CTGGGCTTCC  GGGACAGCTG  GGTCTTCATA  GGAGCCAAAG  ACCTCAGGGG
Consensus     CTGGGCTTCC  GGGACAGCTG  GGTCTTCATA  GGAGCCAAAG  ACCTCAGGGG

>1281865      TAAAAGCCCC  TTTGAGCAGT  TCTTAAAGAA  CAGCCCAGAC  ACAAACAAAT
>1735382      TAAAAGCCCC  TTTGAGCAGT  TCTTAAAGAA  CAGCCCAGAC  ACAAACAAAT
Consensus     TAAAAGCCCC  TTTGAGCAGT  TCTTAAAGAA  CAGCCCAGAC  ACAAACAAAT

>1281865      ACGAGGGATG  GCCAGAGCTG  CTGGAGATGG  AGGGCTGCAT  GCCCCCGAAG
>1735382      ACGAGGGATG  GCCAGAGCTG  CTGGAGATGG  AGGGCTGCAT  GCCCC
>2128334             GGGATG  GCCAGAGCTG  CTGGAGATGG  AGGGCTGCAT  GCCCCCGAAG
Consensus     ACGAGGGATG  GCCAGAGCTG  CTGGAGATGG  AGGGCTGCAT  GCCCCCGAAG
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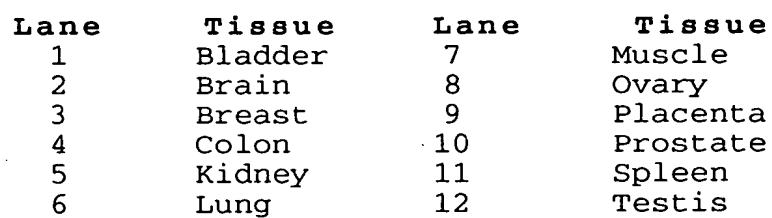
Figure 1C

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>1281865      CCATTTTAGG GTGGCTGTGG CTCTTCCTCA GCCAGGGGCC TGAAGAAGCT
>2128334      CCATTTTAGG GTGGCTGTGG CTCTTCCTCA GCCAGGGGCC TGAAGAAGCT
Consensus     CCATTTTAGG GTGGCTGTGG CTCTTCCTCA GCCAGGGGCC TGAAGAAGCT

>1281865      CCTGCCTGAC TTAGGAGTCA GAGCCCGGCA GGGGCTGAGG AGGAGGAGCA
>2128334      CCTGCCTGAC TTAGGAGTCA GAGCCCGGCA GGGGCTGAGG AGGAGGAGCA
Consensus     CCTGCCTGAC TTAGGAGTCA GAGCCCGGCA GGGGCTGAGG AGGAGGAGCA

>1281865      GGGGGTGCTG CGTGGAAGGT GCTGCAGGTC CTTGCACGCT GTGTCGCGCC
>2128334      GNGGGTGCTG CGTGGAAGGT GCTGCAAGTC CTTGAAAGNN G
<g2197992                GTGGAAGGT GCTGCAGGTC CTTGCACGCT GTGTCGCGCC
Consensus     GGGGGTGCTG CGTGGAAGGT GCTGCAGGTC CTTGCACGCT GTGTCGCGCC

>1281865      TCTCCTCCTC GGAAACAGAA CCCTCCCACA GCACATCCTA CCCGGAAGAC
<g2197992     TCTCCTCCTC GGAAACAGAA CCCTCCCACA GCACATCCTA CCCGGAAGAC
Consensus     TCTCCTCCTC GGAAACAGAA CCCTCCCACA GCACATCCTA CCCGGAAGAC

>1281865      CAGCCTCAGA GGGTCCTTCT GGAACCAGCT GTCTGTGGAG AGAATGGGGT
<g2197992     CAGCCTCAGA GGGTCCTTCT GGAACCAGCT GTCTGTGGAG AGAATGGGGT
<g2409650                          AACCAGCT GTCTGTGGAG AGAATGGGGT
Consensus     CAGCCTCAGA GGGTCCTTCT GGAACCAGCT GTCTGTGGAG AGAATGGGGT

>1281865      GCTTTCGTCA GGGACTGCTG ACGGCTGGTC CTGAGGAAGG ACAAACTGCC
<g2197992     GCTTTCGTCA GGGACTGCTG ACGGCTGGTC CTGAGGAAGG ACAAACTGCC
<g2409650     GCTTTCGTCA GGGACTGCTG ACGGCTGGTC CTGAGGAAGG ACAAACTGCC
Consensus     GCTTTCGTCA GGGACTGCTG ACGGCTGGTC CTGAGGAAGG ACAAACTGCC

>1281865      CAGACTTGAG CCCAATTAAA TTTTATTTTT GCTGGTAAAA AMAAAWAAMM
<g2197992     CAGACTTGAG CCCAATTAAA TTTTATTTTT GCTGGTTTTG AAAAAAAAAA
<g2409650     CAGACTTGAG CCCAATTAAA TTTTATTTTT GCTGGTTTTG AAAAA
Consensus     CAGACTTGAG CCCAATTAAA TTTTATTTTT GCTGGTTTTG AAAAAAAAAA

>1281865      A
<g2197992     A
Consensus     A
```

Figure 2

775133
1338704
2645837
775762
3210629
1281865
1281865 IH
1807758
1735382
2128334
g2197992
g2409650

Figure 3A

Lane	Tissue	Lane	Tissue
1	Bladder	7	Muscle
2	Brain	8	Ovary
3	Breast	9	Placenta
4	Colon	10	Prostate
5	Kidney	11	Spleen
6	Lung	12	Testis

Figure 3B

Lane	Tissue	Lane	Tissue
1	Normal Colon	7	Cancer Colon
2	Normal Colon	8	Cancer Colon
3	Normal Colon	9	Cancer Colon
4	Normal Colon	10	Cancer Colon
5	Normal Colon	11	Cancer Colon
6	Normal Colon	12	Cancer Colon

Figure 4A
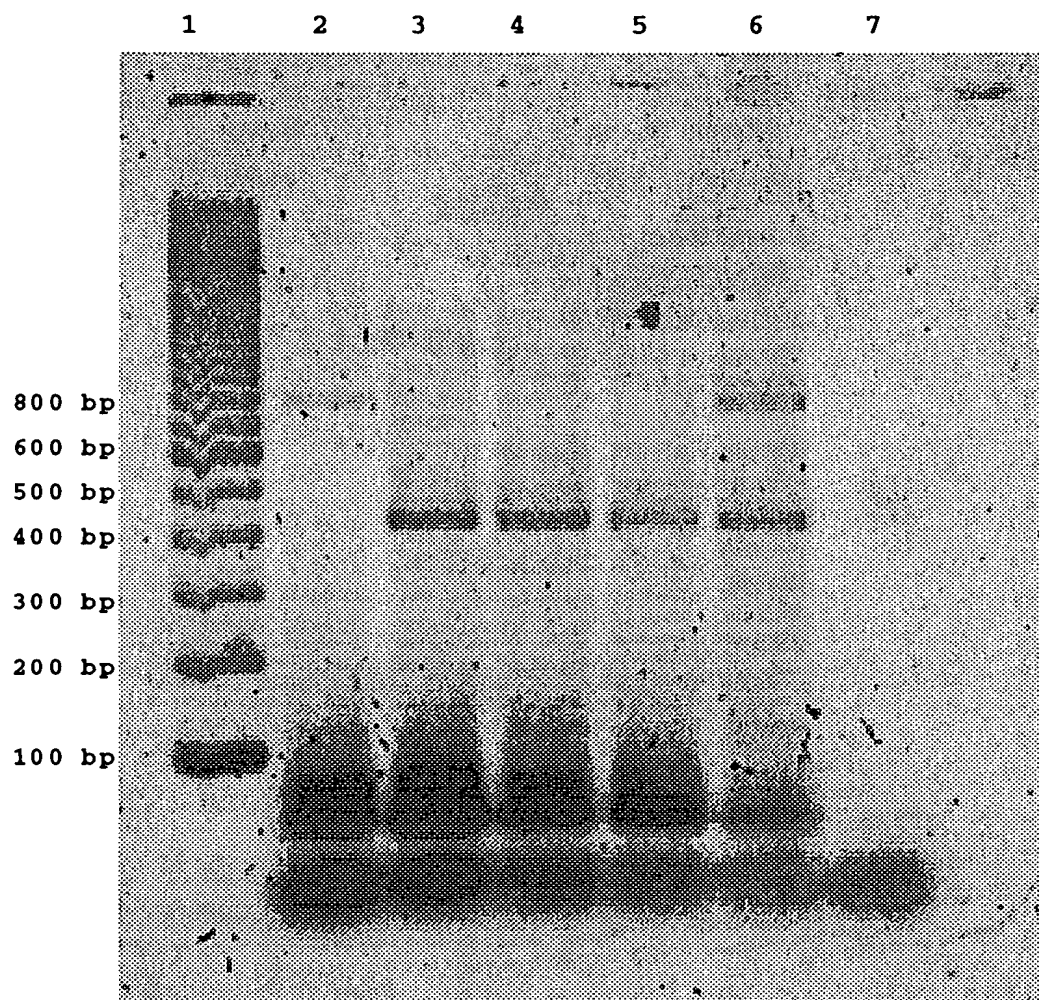
Lane	Tissue
1	DNA Molecular Weight Marker
2	Normal Colon
3	Cancer Colon
4	Cancer Colon
5	Normal Colon
6	Cancer Colon
7	Placental DNA Control

Figure 4B
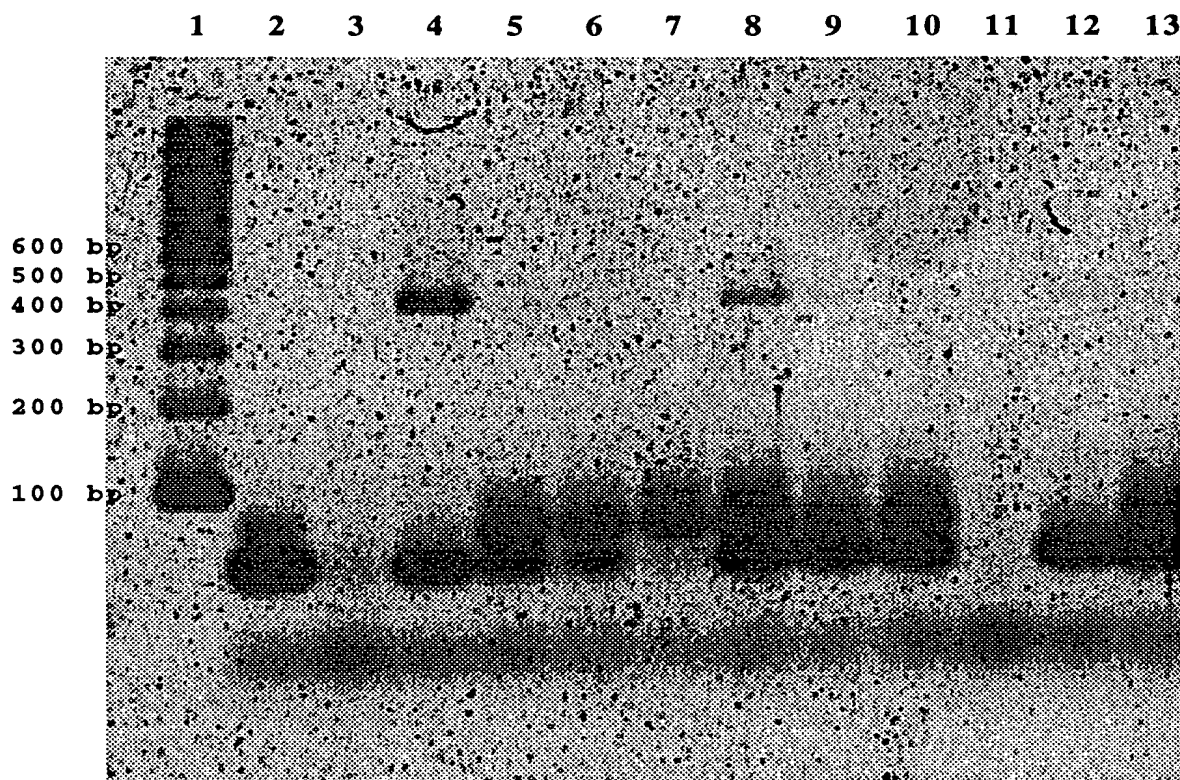
Lane	Tissue
1	DNA Molecular Weight Marker
2	Placental DNA Control
3	Normal Colon
4	Cancer Colon
5	Normal Breast
6	Cancer Breast
7	Cancer Breast
8	BPH Prostate
9	Cancer Prostate
10	BPH Prostate
11	Normal Lung
12	Normal Lung
13	Cancer Lung

Figure 5
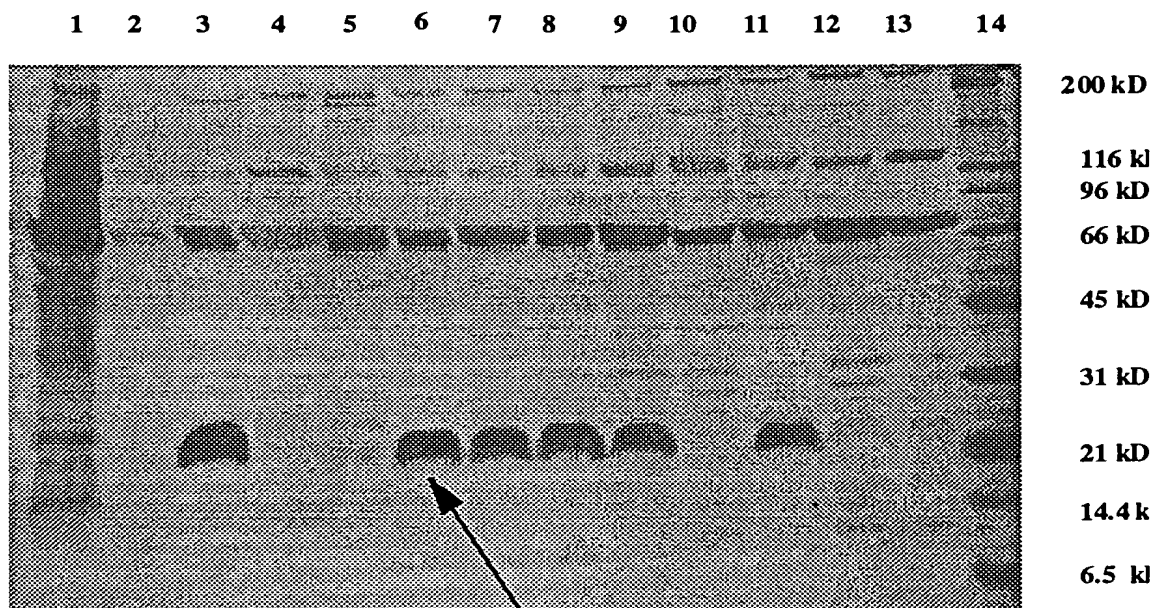
Lane	Tissue	Lane	Tissue
1	Kidney	8	Normal Colon
2	Bladder	9	Normal Colon
3	Prostate	10	Cancer Colon
4	Breast	11	Cancer Colon
5	Lung	12	Cancer Colon
6	Normal Colon	13	Cancer Colon
7	Normal Colon	14	Markers